

SEARCHED

| Class | Sub. | Date | Exmr. |
|----------------------------------------|---------------------------------------------------|-------------------------------|----------------|
| 427 ↓ | 8-10 162 419.3 | 10/18/01 | wn |
| 359 ↓ | 580 586 588 | 10/18/01 | wn |
| updated Above search 427 ↓ | 163.1 163.2 164 166 402 581 587 | 3/16/02 3/16/02 3/16/02 | wn wn wn |
| 359 ↓ | 581 587 | 3/16/02 | wn |
| updated Above search 114 ↓ | 666 672 677 679 684 | 10/18/02 10/18/02 | wn wn |
| updated 216 ↓ | 24 37 60 85 | 5/24/03 5/25/03 | wn wn |

INTERFERENCE SEARCHED

| Class | Sub. | Date | Exmr. |
|-------|------|------|-------|
| | | | |
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SEARCH NOTES (INCLUDING SEARCH STRATEGY)

| | Date | Exmr. |
|--------------------------------------------------------|----------|-------|
| Inventor search | 10/18/01 | wn |
| WEST search, all databases | 10/18/01 | wn |
| Search Strategy Enclosed. | | |
| Inventor search | 3/16/02 | wn |
| WEST search, all databases | 3/16/02 | wn |
| WEST search | 3/16/02 | wn |
| Inventor search | 10/18/02 | wn |
| WEST search, all DBs, enclosed | 10/18/02 | wn |
| Consulted S. Bush, SPE AM1762, about art+ claims | 5/26/03 | wn |
| Inventor search | 5/27/03 | wn |
| WEST search, all DBs, enclosed | 5/26/03 | wn |